To: Bertrand, Charlotte[Bertrand.Charlotte@epa.gov]; Beck, Nancy[Beck.Nancy@epa.gov]; Dourson, Michael[dourson.michael@epa.gov]; Morris, Jeff[Morris.Jeff@epa.gov]; Henry, Tala[Henry.Tala@epa.gov]
Cc: Orme-Zavaleta, Jennifer[Orme-Zavaleta.Jennifer@epa.gov]; Robbins, Chris[Robbins.Chris@epa.gov]; Rodan, Bruce[rodan.bruce@epa.gov]; Yamada, Richard (Yujiro)[yamada.richard@epa.gov]; Thayer, Kris[thayer.kris@epa.gov]; Lavoie, Emma[Lavoie.Emma@epa.gov]; Ross, Mary[Ross.Mary@epa.gov]; Hanley, Mary[Hanley.Mary@epa.gov]; Scheifele, Hans[Scheifele.Hans@epa.gov]; Camacho, Iris[Camacho.Iris@epa.gov]
From: Bahadori, Tina
Sent: Tue 1/16/2018 10:37:26 AM
Subject: IRIS HBCD Assessment
HBCD_ToxReview_AR draft_09-14-17.docx
HBCD_Suppl Info_AR draft_09-14-17.docx

Dear OCSPP Colleagues,

Following our offer at our OCSPP-ORD meeting on December 19th, we are transmitting the IRIS HBCD assessment to support the TSCA risk evaluation. ORD will not be pursuing a separate assessment. As we discussed, giving the focus of the HBCD evaluation over to OPPT for TSCA is in the best interest of the Agency at this time. Should a need for a RfD be indicated at a later date, it has been derived and could be peer reviewed. As explained below, the IRIS systematic review documents are currently housed separately in HAWC. We would be happy to give you access and an illustration of how to find and visualize the HBCD contents. We look forward to staying in touch as your HBCD evaluation progresses and welcome any scientific discussion as you integrate our human health hazard assessment.

Additional information about the attached documents:

Both volumes – the Toxicological Review and the Supplemental Information – were fully tech edited in November 2016. An update of the tech edit was performed on the Toxicological Review volume in August 2017. Modest revisions have been made since August 2017.

During the last half of 2017, the IRIS HBCD team focused on application of new systematic review tools and updating documentation of the systematic review. The resulting materials, which have not yet been incorporated into the Toxicological Review, include:

- Data extraction of animal toxicology studies into HAWC and QC;
- Study evaluation of both epidemiology and animal toxicology studies in HAWC;
- Data visualization in HAWC (including development of an exposure-response array

visualization option for the HAWC software, which was used to develop new HBCD arrays);
- Literature screening of new studies and discussions of how to incorporate them into the draft;
- Development of an IRIS assessment protocol and review by agency partners;
- Preliminary development of evidence profile tables that reflect evidence integration for each hazard;
- Discussions of within- and across-stream evidence integration as well as hazard conclusions using the structured framework in the IRIS Handbook; and
- A revised structure for the Toxicological Review, primarily reflecting changes in presentation of the methods and results of the systematic review.

As indicated above, the work related to these systematic review pieces exists outside the current draft (e.g., housed in HAWC, team notes, etc.). The IRIS team had planned to incorporate the necessary systematic review documentation of the above work into the draft assessment at the beginning of 2018. As the IRIS Program will no longer be developing an HBCD assessment, the current draft IRIS assessment will not be further updated. We are happy to meet with OPPT staff to discuss these systematic review pieces.

Tina

==========

Tina Bahadori, Sc.D.

Director, National Center for Environmental Assessment (EPA/ORD/NCEA)

National Program Director, Human Health Risk Assessment (EPA/ORD/HHRA)

Mail Code 8201R| 1200 Pennsylvania Ave, NW | Washington, DC 20460

DC phone: 202-564-7903